Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

EMB

"FIRST AND FINAL BILL"

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
1	Removing and refixing stone slabs of drains and pointing in CM(1:3)							
	Muneshwara layout							
	Top Slab							
	5th Cross Rd							
	Ch:0.00m to 30.00m	LHS	1	2.00	0.75		1.50	
	Ch:30.00m to 60.00m	LHS	1	3.00	0.75		2.25	
	Ch:60.00m to 82.00m	LHS	1	2.00	0.75		1.50	
	Ch:0.00m to 30.00m	RHS	1	3.00	0.75		2.25	
	Ch:30.00m to 60.00m	RHS	1	2.00	0.75		1.50	
	Ch:60.00m to 70.00m	RHS	1	1.00	0.75		0.75	
	4th Cross Rd							
	Ch:0.00m to 30.00m	RHS	1	4.00	0.75		3.00	
	Ch:30.00m to 60.00m	RHS	1	2.00	0.75		1.50	
	Ch:60.00m to 90.00m	RHS	1	4.00	0.75		3.00	
	Ch:90.00m to 120.00m	RHS	1	3.00	0.75		2.25	
	Ch:120.00m to 130.00m	RHS	1	4.00	0.75		3.00	
	Ch:0.00m to 30.00m	LHS	1	4.00	0.75		3.00	
	Ch:30.00m to 60.00m	LHS	1	2.00	0.75		1.50	
	Ch:60.00m to 90.00m	LHS	1	3.00	0.75		2.25	
	Ch:90.00m to 100.00m	LHS	1	3.00	0.75		2.25	
	Bottam Slab							
	5th Cross Rd							
	Ch:0.00m to 30.00m	LHS	1	2.00	1.65		3.30	
	Ch:30.00m to 60.00m	LHS	1	2.00	1.65		3.30	
	Ch:60.00m to 82.00m	LHS	1	6.00	1.65		9.90	
	Ch:0.00m to 30.00m	RHS	1	3.00	1.65		4.95	
	Ch:30.00m to 60.00m	RHS	1	4.00	1.65		6.60	
	Ch:60.00m to 70.00m	RHS	1	6.00	1.65		9.90	
	4th Cross Rd							
	Ch:0.00m to 30.00m	RHS	1	2.00	1.65		3.30	
	Ch:30.00m to 60.00m	RHS	1	4.00	1.65		6.60	
	Ch:60.00m to 90.00m	RHS	1	3.00	1.65		4.95	
	Ch:90.00m to 120.00m	RHS	1	6.00	1.65		9.90	
	Ch:120.00m to 130.00m	RHS	1	4.00	1.65		6.60	
	Ch:0.00m to 30.00m	LHS	1	5.00	1.65		8.25	
	Ch:30.00m to 60.00m	LHS	1	2.00	1.65		3.30	
	Ch:60.00m to 90.00m	LHS	1	3.00	1.65		4.95	
	Ch:90.00m to 100.00m	LHS	1	7.00	1.65		11.55	
						Present Qty	**128.85**	**Sqm**

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications							
	Muneshwara layout							
	Top Slab							
	5th Cross Rd							
	Ch:0.00m to 30.00m	LHS	1	30.00	0.45	0.30	4.05	
	Ch:30.00m to 60.00m	LHS	1	30.00	0.45	0.30	4.05	
	Ch:60.00m to 82.00m	LHS	1	22.00	0.45	0.30	2.97	
	Ch:0.00m to 30.00m	RHS	1	30.00	0.45	0.30	4.05	
	Ch:30.00m to 60.00m	RHS	1	30.00	0.45	0.30	4.05	
	Ch:60.00m to 70.00m	RHS	1	10.00	0.45	0.30	1.35	
	4th Cross Rd							
	Ch:0.00m to 30.00m	RHS	1	30.00	0.40	0.30	3.60	
	Ch:30.00m to 60.00m	RHS	1	30.00	0.40	0.30	3.60	
	Ch:60.00m to 90.00m	RHS	1	30.00	0.40	0.30	3.60	
	Ch:90.00m to 120.00m	RHS	1	30.00	0.40	0.30	3.60	
	Ch:120.00m to 130.00m	RHS	1	10.00	0.40	0.30	1.20	
	Ch:0.00m to 30.00m	LHS	1	30.00	0.40	0.30	3.60	
	Ch:30.00m to 60.00m	LHS	1	30.00	0.45	0.30	4.05	
	Ch:60.00m to 90.00m	LHS	1	30.00	0.45	0.30	4.05	
	Ch:90.00m to 100.00m	LHS	1	10.00	0.45	0.30	1.35	
	RCC CULVERT							
	Muneshwara Layout Rd		1	8.10	1.40	1.00	11.34	
	Santhosh Nagara 2nd Cross Rd		1	6.95	1.40	1.00	9.73	
						Present Qty	**70.24**	**Cum**

Contractor

Asst. Engineer

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Date of Pre-Measurement :

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom						
	Raft						
	RCC Culvert Raft						
	Muneshwara Layout Rd	1	8.00	1.20	0.20	1.92	
	Santhosh Nagara 2nd Cross Rd	1	6.95	1.20	0.20	1.67	
	RCC Culvert Wall						
	Muneshwara Layout Rd	2	8.00	0.20	0.60	1.92	
	Santhosh Nagara 2nd Cross Rd	2	6.95	0.20	0.60	1.67	
					Present Qty	7.18	Cum

Contractor

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Date of Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	Providing Granite slabs quality roughly dressed andf fixed in cement mortar (1:6) inmcluding fixing curing etc.., complete 7.5cms thick							
	Bottam Slab							
	5th Cross Rd							
	Ch:0.00m to 30.00m	LHS	1	5.00	1.65		8.25	
	Ch:30.00m to 60.00m	LHS	1	4.00	1.65		6.60	
	Ch:60.00m to 82.00m	LHS	1	6.00	1.65		9.90	
	Ch:0.00m to 30.00m	RHS	1	7.00	1.65		11.55	
	Ch:30.00m to 60.00m	RHS	1	4.00	1.65		6.60	
	Ch:60.00m to 70.00m	RHS	1	6.00	1.65		9.90	
	4th Cross Rd							
	Ch:0.00m to 30.00m	RHS	1	5.00	1.65		8.25	
	Ch:30.00m to 60.00m	RHS	1	2.00	1.65		3.30	
	Ch:60.00m to 90.00m	RHS	1	5.00	1.65		8.25	
	Ch:90.00m to 120.00m	RHS	1	7.00	1.65		11.55	
	Ch:120.00m to 130.00m	RHS	1	4.00	1.65		6.60	
	Ch:0.00m to 30.00m	LHS	1	5.00	1.65		8.25	
	Ch:30.00m to 60.00m	LHS	1	6.00	1.65		9.90	
	Ch:60.00m to 90.00m	LHS	1	5.00	1.65		8.25	
	Ch:90.00m to 100.00m	LHS	1	7.00	1.65		11.55	
						Present Qty	128.70	Sqm

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
10	KSRRB M300-13. Excavation for roadway in hard rock (requiring blasting) by drilling, blasting and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and stacking at site of cut road with a lead of 1.00 km and complete as per specifications. (Excavated rock credited to contractor) MORTH Specification No. 301						
	Asphalt Road						
	Muneshwara layout						
	8th Main Rd						
	Ch:0.00m to 15.00m	1	15.00	(5.70 + 5.60)/2	0.30	25.43	
	Ch:15.00m to 30.00m	1	15.00	(5.60 + 5.30)/2	0.30	24.53	
	Ch:30.00m to 45.00m	1	15.00	(5.30 + 4.90)/2	0.30	22.95	
	Ch:45.00m to 60.00m	1	15.00	(4.90 + 5.60)/2	0.30	23.63	
	Ch:60.00m to 75.00m	1	15.00	(5.60 + 5.80)/2	0.30	25.65	
	Ch:75.00m to 90.00m	1	15.00	(5.80 + 4.90)/2	0.30	24.08	
	Ch:90.00m to 105.00m	1	15.00	(4.90 + 5.30)/2	0.30	22.95	
	Ch:105.00m to 120.00m	1	15.00	(5.30 + 4.00)/2	0.30	20.93	
	Ch:120.00m to 135.00m	1	15.00	(4.00 + 5.00)/2	0.30	20.78	
	Ch:135.00m to 150.00m	1	15.00	(5.00 + 5.30)/2	0.30	23.48	
	Ch:150.00m to 165.00m	1	15.00	(5.30 + 5.70)/2	0.30	24.75	
	Ch:165.00m to 180.00m	1	15.00	(5.70 + 5.50)/2	0.30	25.20	
	Ch:180.00m to 195.00m	1	15.00	(5.50 + 5.10)/2	0.30	23.85	
	8thC Cross Rd						
	Ch:0.00m to 8.90m	1	8.90	(5.50 + 5.40)/2	0.30	14.55	
	Ch:8.90m to 36.60m	1	27.70	(5.10 + 5.50)/2	0.30	44.04	

Contractor

Asst. Engineer

Asst. Exec. Engineer,

	Ch:17.70m to 25.20m	1	7.50	1.60 + 1.30 / 2		0.20	2.18	
	Ch:25.20m to 37.10m	1	11.90	1.30 + 1.50 / 2		0.20	3.33	
							Present Qty	496.20 Cum

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3						
	Asphalt Road						
	Muneshwara layout						
	8th Main Rd						
	Ch:0.00m to 15.00m	1	15.00	(5.70 + 5.60)/2		84.75	
	Ch:15.00m to 30.00m	1	15.00	(5.60 + 5.30)/2		81.75	
	Ch:30.00m to 45.00m	1	15.00	(5.30 + 4.90)/2		76.50	
	Ch:45.00m to 60.00m	1	15.00	(4.90 + 5.60)/2		78.75	
	Ch:60.00m to 75.00m	1	15.00	(5.60 + 5.80)/2		85.50	
	Ch:75.00m to 90.00m	1	15.00	(5.80 + 4.90)/2		80.25	
	Ch:90.00m to 105.00m	1	15.00	(4.90 + 5.30)/2		76.50	
	Ch:105.00m to 120.00m	1	15.00	(5.30 + 4.00)/2		69.75	
	Ch:120.00m to 135.00m	1	15.00	(4.00 + 5.00)/2		67.50	
	Ch:135.00m to 150.00m	1	15.00	(5.00 + 5.30)/2		77.30	
	Ch:150.00m to 165.00m	1	15.00	(5.30 + 5.70)/2		82.50	
	Ch:165.00m to 180.00m	1	15.00	(5.70 + 5.50)/2		84.00	
	Ch:180.00m to 195.00m	1	15.00	(5.50 + 5.10)/2		79.50	
	8thC Cross Rd						
	Ch:0.00m to 8.90m	1	8.90	(5.50 + 5.40)/2		48.51	
	Ch:8.90m to 36.60m	1	27.70	(5.10 + 5.50)/2		146.81	
	8thA Cross Rd						

Contractor

Asst. Engineer

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:0.00m to 17.70m	1	17.70	$\frac{4.50 + 5.00}{2}$		84.08	
	Ch:17.70m to 25.20m	1	7.50	$\frac{4.00 + 4.10}{2}$		30.38	
	Ch:25.20m to 37.10m	1	11.90	$\frac{4.60 + 4.90}{2}$		56	
					Present Qty	1390.30	Sqm

Contractor

Asst. Engineer

Asst. Exec. Engineer

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
11	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.						
	Asphalt Road						
	Muneshwara layout						
	8th Main Rd						
	Ch:0.00m to 15.00m	1	15.00	(5.70 + 5.60)/2	0.20	16.95	
	Ch:15.00m to 30.00m	1	15.00	(5.60 + 5.30)/2	0.20	16.35	
	Ch:30.00m to 45.00m	1	15.00	(5.30 + 4.90)/2	0.20	15.30	
	Ch:45.00m to 60.00m	1	15.00	(4.90 + 5.60)/2	0.20	15.75	
	Ch:60.00m to 75.00m	1	15.00	(5.60 + 5.80)/2	0.20	17.10	
	Ch:75.00m to 90.00m	1	15.00	(5.80 + 4.90)/2	0.20	16.05	
	Ch:90.00m to 105.00m	1	15.00	(4.90 + 5.30)/2	0.20	15.30	
	Ch:105.00m to 120.00m	1	15.00	(5.30 + 4.00)/2	0.20	13.95	
	Ch:120.00m to 135.00m	1	15.00	(4.00 + 5.00)/2			
	Ch:135.00m to 150.00m	1	15.00	(5.00 + 5.30)/2	0.20	15.45	
	Ch:150.00m to 165.00m	1	15.00	(5.30 + 5.70)/2	0.20	16.50	
	Ch:165.00m to 180.00m	1	15.00	(5.70 + 5.50)/2	0.20	16.80	
	Ch:180.00m to 195.00m	1	15.00	(5.50 + 5.10)/2	0.20	15.90	
	8thC Cross Rd						
	Ch:0.00m to 8.90m	1	8.90	(5.50 + 5.40)/2	0.20	9.70	

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:8.90m to 36.60m	1	27.70	(5.10 + 5.50) / 2	0.20	29.36	
	8thA Cross Rd						
	Ch:0.00m to 17.70m	1	17.70	(4.50 + 5.00) / 2	0.20	16.82	
	Ch:17.70m to 25.20m	1	7.50	(4.00 + 4.10) / 2	0.20	6.08	
	Ch:25.20m to 37.10m	1	11.90	(4.60 + 4.90) / 2	0.20	23.80	
					Present Qty	278.16	Cum

Contractor

Asst. Engineer,

Asst. Exec. Engineer,

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
14	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.						
	Asphalt Road						
	Muneshwara layout						
	8th Main Rd						
	Ch:0.00m to 15.00m	1	15.00	(5.70 + 5.60)/2		84.75	
	Ch:15.00m to 30.00m	1	15.00	(5.60 + 5.30)/2		81.75	
	Ch:30.00m to 45.00m	1	15.00	(5.30 + 4.90)/2		76.50	
	Ch:45.00m to 60.00m	1	15.00	(4.90 + 5.60)/2		78.75	
	Ch:60.00m to 75.00m	1	15.00	(5.60 + 5.80)/2		85.50	
	Ch:75.00m to 90.00m	1	15.00	(5.80 + 4.90)/2		80.25	
	Ch:90.00m to 105.00m	1	15.00	(4.90 + 5.30)/2		76.50	
	Ch:105.00m to 120.00m	1	15.00	(5.30 + 4.00)/2		69.75	
	Ch:120.00m to 135.00m	1	15.00	(4.00 + 5.00)/2		67.50	
	Ch:135.00m to 150.00m	1	15.00	(5.00 + 5.30)/2		77.25	
	Ch:150.00m to 165.00m	1	15.00	(5.30 + 5.70)/2		82.50	
	Ch:165.00m to 180.00m	1	15.00	(5.70 + 5.50)/2		84.00	
	Ch:180.00m to 195.00m	1	15.00	(5.50 + 5.10)/2		79.50	
	8thC Cross Rd						
	Ch:0.00m to 8.90m	1	8.90	(5.50 + 5.40)/2		48.51	
	Ch:8.90m to 36.60m	1	27.70	(5.10 + 5.50)/2		146.81	
	8thA Cross Rd						

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:0.00m to 17.70m	1	17.70	4.50 + 5.00 / 2		84.08	
	Ch:17.70m to 25.20m	1	7.50	4.00 + 4.10 / 2		30.38	
	Ch:25.20m to 37.10m	1	11.90	4.60 + 4.90 / 2		56.53	
					Present Qty	170.79	Sqm

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Removing and refixing stone slabs of drains and pointing in CM(1:3)								
	Vide Premeasurement page no.					128.85			
					Present Qty	**128.85**	**Sqm**	**116.31**	**14987.00**
	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								
	Vide Premeasurement page no.					70.24			
					Present Qty	**70.24**	**Cum**	**224.97**	**15802.00**
	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications								
	Vide Premeasurement page no.					3.14			
					Present Qty	**3.14**	**Cum**	**5665.89**	**17789.00**
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of								
	Vide Premeasurement page no.					7.18			
					Present Qty	**7.18**	**Cum**	**7388.36**	**53019.00**
5	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.								
	Vide Premeasurement page no.					0.65			
					Present Qty	**0.65**	**Tn**	**77321.89**	**49956.00**
6	Providing Granite slabs quality roughly dressed andf fixed in cement mortar (1:6) inmcluding fixing curing etc.., complete 7.5cms thick								
	Vide Premeasurement page no.					128.70			
					Present Qty	**128.70**	**Sqm**	**775.39**	**99793.00**
8	KSRRB M300-13. Excavation for roadway in hard rock (requiring blasting) by drilling, blasting and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and stacking at site of cut road with a lead of 1.00 km and complete as per specifications. (Excavated rock credited to contractor) MORTH Specification No. 301								
	Vide Premeasurement page no.					496.23			
					Present Qty	**496.23**	**Cum**	**66.82**	**33158.00**
9	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3								
	Vide Premeasurement page no.					1390.79			
					Present Qty	**1390.79**	**Sqm**	**6.65**	**9249.00**

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		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications								
	Vide Premeasurement page no.					208.62			
					Present Qty	**208.62**	**Cum**	**2084.69**	**434905.00**
	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
	Vide Premeasurement page no.					278.16			
					Present Qty	**278.16**	**Cum**	**2091.34**	**581723.00**
12	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								
	Vide Premeasurement page no.					1390.79			
					Present Qty	**1390.79**	**Sqm**	**29.91**	**41599.00**
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	Vide Premeasurement page no.					69.54			
					Present Qty	**69.54**	**Cum**	**6894.32**	**479428.00**
14	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.								
	Vide Premeasurement page no.					1390.79			
					Present Qty	**1390.79**	**Sqm**	**13.29**	**18484.00**

Contractor

Asst. Engineer

Asst. Executive Engineer,

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

asurement Recorded On:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with								
Asphalt Road								
Muneshwara layout								
8th Main Rd								
Ch:0.00m to 15.00m	1	15.00	(5.70 + 5.60)/2	0.03	2.54			
Ch:15.00m to 30.00m	1	15.00	(5.60 + 5.30)/2	0.03	2.45			
Ch:30.00m to 45.00m	1	15.00	(5.30 + 4.90)/2	0.03	2.30			
Ch:45.00m to 60.00m	1	15.00	(4.90 + 5.60)/2	0.03	2.36			
Ch:60.00m to 75.00m	1	15.00	(5.60 + 5.80)/2	0.03	2.57			
Ch:75.00m to 90.00m	1	15.00	(5.80 + 4.90)/2	0.03	2.41			
Ch:90.00m to 105.00m	1	15.00	(4.90 + 5.30)/2	0.03	2.30			
Ch:105.00m to 120.00m	1	15.00	(5.30 + 4.00)/2	0.03	2.09			
Ch:120.00m to 135.00m	1	15.00	(4.00 + 5.00)/2	0.03	2.03			
Ch:135.00m to 150.00m	1	15.00	(5.00 + 5.30)/2	0.03	2.32			
Ch:150.00m to 165.00m	1	15.00	(5.30 + 5.70)/2	0.03	2.48			
Ch:165.00m to 180.00m	1	15.00	(5.70 + 5.50)/2	0.03	2.52			
Ch:180.00m to 195.00m	1	15.00	(5.50 + 5.10)/2	0.03	2.39			
8thC Cross Rd								
Ch:0.00m to 8.90m	1	8.90	(5.50 + 5.40)/2	0.03	1.46			

C&FC

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch:8.90m to 36.60m	1	27.70	5.10 + 5.50 / 2	0.03	4.40			
	8thA Cross Rd								
	Ch:0.00m to 17.70m	1	17.70	4.50 + 5.00 / 2	0.03	2.52			
	Ch:17.70m to 25.20m	1	7.50	4.00 + 4.10 / 2	0.03	0.91			
	Ch:25.20m to 37.10m	1	11.90	4.60 + 4.90 / 2	0.03	1.70			
					Present Qty	**41.72**	**Cum**	**8102.83**	**338081.00**

C & EC

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
16	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per								
	Asphalt Road								
	Muneshwara layout								
	8th Main Rd								
	Ch:0.00m to 15.00m	2	15.00	0.10		3.00			
	Ch:15.00m to 30.00m	2	15.00	0.10		3.00			
	Ch:30.00m to 45.00m	2	15.00	0.10		3.00			
	Ch:45.00m to 60.00m	2	15.00	0.10		3.00			
	Ch:60.00m to 75.00m	2	15.00	0.10		3.00			
	Ch:75.00m to 90.00m	2	15.00	0.10		3.00			
	Ch:90.00m to 105.00m	2	15.00	0.10		3.00			
	Ch:105.00m to 120.00m	2	15.00	0.10		3.00			
	Ch:120.00m to 135.00m	2	15.00	0.10		3.00			
	Ch:135.00m to 150.00m	2	15.00	0.10		3.00			
	Ch:150.00m to 165.00m	2	15.00	0.10		3.00			
	Ch:165.00m to 180.00m	2	15.00	0.10		3.00			
	Ch:180.00m to 195.00m	2	15.00	0.10		3.00			
	8thC Cross Rd								
	Ch:0.00m to 8.90m	2	8.90	0.10		1.78			
	Ch:8.90m to 36.60m	2	27.70	0.10		5.54			
	8thACross Rd								
	Ch:0.00m to 8.90m	2	17.70	0.10		3.54			
		2	7.50	0.10		1.50			
	Ch:8.90m to 36.60m	2	11.90	0.10		2.38			
				Present Qty		**53.74**	**Sqm**		
				Limited To		**43.00**	**Sqm**	**475.20**	**20434.00**

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ ಉಪವಿಭಾಗ ಕುಮಾರಪಾರ್ಕ್,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: Improvements to cross roads at Chikkadinne to Tirumalanagara in ward no-03

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
17	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per								
	Asphalt Road								
	Muneshwara layout								
	8th Main Rd								
	Ch:0.00m to 15.00m	2	2.00			4.00			
	Ch:15.00m to 30.00m	2	2.00			4.00			
	Ch:30.00m to 45.00m	2	2.00			4.00			
	Ch:45.00m to 60.00m	2	2.00			4.00			
	Ch:60.00m to 75.00m	2	2.00			4.00			
	Ch:75.00m to 90.00m	2	2.00			4.00			
	Ch:90.00m to 105.00m	2	3.00			6.00			
	Ch:105.00m to 120.00m	2	2.00			4.00			
	Ch:120.00m to 135.00m	2	2.00			4.00			
	Ch:135.00m to 150.00m	2	2.00			4.00			
	Ch:150.00m to 165.00m	2	2.00			4.00			
	Ch:165.00m to 180.00m	2	2.00			4.00			
	Ch:180.00m to 195.00m	2	2.00			4.00			
	Present Qty					54.00	Nos	475.20	20434.00
						Total			2330138.00
						GST 12%			279616.56
						Grand Total			2609754.56

EdFC
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ, ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

EdFC
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Contractor

Asst. Engineer

30/12/2021

Asst. Exec. Engineer,